

(PCT Article 36 and Rule 70)

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/011044

Box No. I

Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-20 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- nos. _____ as originally filed/furnished
- nos.* _____ as amended (together with any statement) under Article 19
- nos.* 1-5 _____ received by this Authority on 30.06.2005 with letter of 28.06.2005
- nos.* 6-10 _____ received by this Authority on 02.11.2005 with letter of 28.10.2005
- ☐ the drawings:
- sheets _____ as originally filed/furnished
- sheets* _____ received by this Authority on _____
- sheets* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/011044

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement																								
1.	Statement <table border="0"><tr><td>Novelty (N)</td><td>Claims</td><td><u>1-10</u></td><td>YES</td></tr><tr><td></td><td>Claims</td><td><u></u></td><td>NO</td></tr><tr><td>Inventive step (IS)</td><td>Claims</td><td><u>1-10</u></td><td>YES</td></tr><tr><td></td><td>Claims</td><td><u></u></td><td>NO</td></tr><tr><td>Industrial applicability (IA)</td><td>Claims</td><td><u>1-10</u></td><td>YES</td></tr><tr><td></td><td>Claims</td><td><u></u></td><td>NO</td></tr></table>	Novelty (N)	Claims	<u>1-10</u>	YES		Claims	<u></u>	NO	Inventive step (IS)	Claims	<u>1-10</u>	YES		Claims	<u></u>	NO	Industrial applicability (IA)	Claims	<u>1-10</u>	YES		Claims	<u></u>	NO
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	Claims	<u></u>	NO																						
2.	Citations and explanations (Rule 70.7) <p>Reference is made to the following documents:</p> <p>D1: EP-A1-1 238 958 (WACKER POLYMER SYSTEMS GMBH & CO. KG; BRILLUX GMBH & CO. KG) 11 September 2002 (2002-09-11)</p> <p>D2: EP-A2-1 262 465 (WACKER POLYMER SYSTEMS GMBH & CO. KG) 4 December 2002 (2002-12-04).</p> <p>1. The present application satisfies the requirements of PCT Article 33(1) because the subject matter of claims 1-10 is novel within the meaning of PCT Article 33(2).</p> <p>1.1 Document D1 discloses (see claims 1, 12, 13; paragraphs 14, 15, 29, 30, 31) the use of dispersion powders that are redispersable in water and are based on a copolymer which is stabilised with a protective colloid, in the production of thermal insulation systems, said copolymer containing monomers that comprise carboxyl groups. Said document does not disclose copolymers containing keto or aldehyde groups.</p> <p style="text-align: right;">/...</p>																								

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	<p>1.2 Document D2 discloses (see claims 1, 9, 10; paragraphs 10-16) the use, in the production of thermal insulation systems, of dispersion powders that are redispersable in water and are based on a copolymer which is stabilised with a protective colloid said copolymer containing monomers that comprise carboxyl groups.</p> <p>Said document does not clearly or explicitly disclose copolymers containing ketone or aldehyde groups.</p> <p>2. The embodiments of the present application disclose that, by using dispersion powders containing monomers with aldehyde and ketone groups, the tearing values of a plastics panel (thermal insulating panel) after wet storage are increased (by comparison with the use of dispersion powders based on vinyl acetate/ ethylene copolymers; see the application, page 20, table 1).</p> <p>Neither D1 nor D2 considers the question of raising the tearing values of thermal insulation composite systems under damp conditions. The subject matter of the present application is therefore considered to be inventive (PCT Article 33(3)).</p>